TOTAL KJELDAHL NITROGEN-N (COPPER CATALYST) IN DRINKING AND SURFACE WATERS, AND DOMESTIC AND INDUSTRIAL WASTES
SEAL AQ2 METHOD NO: EPA-136-A REVISION 1

Facility Name:_____VELAP ID_____

Assessor Name:_____ Analyst Name:_____ Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Is the linear calibration range determined initially, and does it contain a minimum of a blank and three standards?	Method Supplement 1, Rev. 2 (MS) 3.2.1				
Is linearity reestablished if any verification data exceeds initial calibration values by ±10%?	MS 3.2.1				
Is a laboratory control sample analyzed with every batch, and is recovery within ±10% of the stated value?	MS 3.4.3				
Are method detection limits established?	MS 3.4.3				
Is at least one method blank carried through all the procedural steps with each batch?	MS 3.4.1.1				
Is the initial calibration verified using a second source or certified standard other than the quality control sample?	MS 4.4				
Is the calibration verified using a calibration standard after every ten samples or every analytical batch?	*MS* 4.5				
Is a minimum of 10% of all samples spiked with the stock standard?	*MS* 3.3.1				
If matrix interference is present, are results not reported for regulatory compliance purposes?	*MS* 3.3.1.4.1				
For compliance monitoring, is the concentration of the matrix spike at the regulatory limit OR 1 to 5 times higher than the background concentration of the sample?	MS 3.3.1.1.1				
Was volumetric glassware Class A?	6.2				
Notes/Comments:					

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Was Stock Sodium Nitroprusside solution replaced after 6 months or if a blue-green tint was seen?	7.1				
Was Stock Sodium Potassium Tartrate solution boiled with stirring for 1 hour after preparation to drive off ammonia?	7.1				
Was Stock Sodium Potassium Tartrate solution adjusted to a pH of 7.5 ± 0.4 and stored in refrigerator for up to 6 months?	7.1				
Was Alkaline Sodium Salicylate Stock solution stored in an opaque bottle and discarded if it darkened significantly?	7.1				
Was Working Salicylate/Nitroprusside solution reagent wedge replaced monthly?	7.1				
Was Stock Standard solution stored at 4°C?	7.2				
Were samples preserved with sulfuric acid to a pH < 2 and cooled to 4°C at the time of collection?	8.1				
Were samples stored at 4°C for not longer than 28 days?	8.1				
Were samples heated for about one hour at >160°C and then digested at between 375°C and 385°C (no specific time given)?	11.3				
Were digestates brought to volume with ammonia-free water and mixed on a vortex?	11.4				
Was any sample that exceeded the calibration range diluted with a digested blank or synthetic blank and not DI water?	12.2				
Notes/Comments:					